

DERWENT-ACC-NO: 1999-359668
DERWENT-WEEK: 200130
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TITLE: Machine for tissue paper production

INVENTOR: SCHMIDT-HEBBEL, H; TIETZ, M

PATENT-ASSIGNEE: VOITH SULZER PAPIERTECHNIK PATENT
GMBH[VOIJ]

PRIORITY-DATA: 1997DE-1056422 (December 18, 1997)

PATENT-FAMILY:

PUB-NO	PAGES	PUB-DATE	MAIN-IPC
EP 926296 A2		June 30, 1999	G
004		D21F 011/14	
US 6235160 B1		May 22, 2001	N/A
000		D21F 003/00	
DE 19756422 A1		June 24, 1999	N/A
000		D21F 011/14	
JP 11241288 A		September 7, 1999	N/A
004		D21F 003/02	
CA 2256108 A1		June 18, 1999	E
000		D21F 011/02	
BR 9805673 A		December 7, 1999	N/A
000		D21F 003/04	

DESIGNATED-STATES: AL AT BE CH CY DE DK ES FI FR GB
GR IE IT LI LT LU LV MC MK N
L PT RO SE SI

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
EP 926296A2	N/A	
1998EP-0121245	November 7, 1998	

US 6235160B1	N/A
1998US-0213894	December 17, 1998
DE 19756422A1	N/A
1997DE-1056422	December 18, 1997
JP 11241288A	N/A
1998JP-0356175	December 15, 1998
CA 2256108A1	N/A
1998CA-2256108	December 16, 1998
BR 9805673A	N/A
1998BR-0005673	December 15, 1998

INT-CL (IPC): B31F001/12; B31F001/29 ;
 D21F003/00 ; D21F003/02 ;
 D21F003/04 ; D21F009/02 ; D21F011/02 ;
 D21F011/14 ; D21H011/00

ABSTRACTED-PUB-NO: EP 926296A

BASIC-ABSTRACT: NOVELTY - The machine has a blanket (5) passing through the press gap (4) next to the web (1) and supporting it, which is permeable to water. Before the blanket (5) reaches the press gap (4), it passes over at least one suction extraction unit (6).

DETAILED DESCRIPTION - The blanket (5), together with the web (1), passes over the suction unit (6), with the web (1) on the outer side of the blanket (5). The shoe press (2) has at least a number of press zones across the direction (7) of web travel, each with an independent control. The suction extraction unit is a suction roller (6). The blanket (5) takes the fiber suspension from the paper formation stage from the stock inlet (8). The drying cylinder (3) acts as a tissue drying cylinder, where the dry web (1) is detached by a creping scraper (9).

USE - For manufacturing creped tissue paper.

ADVANTAGE - The assembly is simple, with the most intensive possible water extraction with bulking.

DESCRIPTION OF DRAWING(S) - The drawing shows a schematic view of part of the machine.

web 1

shoe press 2

press gap 4

blanket 5

suction roller 6

stock inlet 8

ABSTRACTED-PUB-NO: US 6235160B
EQUIVALENT-ABSTRACTS: NOVELTY - The machine has a blanket (5) passing through the press gap (4) next to the web (1) and supporting it, which is permeable to water. Before the blanket (5) reaches the press gap (4), it passes over at least one suction extraction unit (6).

DETAILED DESCRIPTION - The blanket (5), together with the web (1), passes over the suction unit (6), with the web (1) on the outer side of the blanket (5). The shoe press (2) has at least a number of press zones across the direction (7) of web travel, each with an independent control. The suction extraction unit is a suction roller (6). The blanket (5) takes the fiber suspension from

the paper formation stage from the stock inlet (8).

The drying cylinder (3)
acts as a tissue drying cylinder, where the dry web
(1) is detached by a
creping scraper (9).

USE - For manufacturing creped tissue paper.

ADVANTAGE - The assembly is simple, with the most
intensive possible water
extraction with bulking.

DESCRIPTION OF DRAWING(S) - The drawing shows a
schematic view of part of the
machine.

web 1

shoe press 2

press gap 4

blanket 5

suction roller 6

stock inlet 8

TITLE-TERMS:
MACHINE TISSUE PAPER PRODUCE

DERWENT-CLASS: F09 P72

CPI-CODES: F05-A04B; F05-A06A;

SECONDARY-ACC-NO:
CPI Secondary Accession Numbers: C1999-106628